



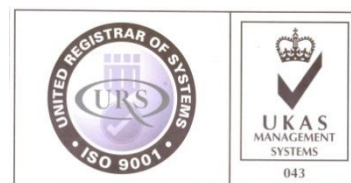
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URS is a member of Registrar of Standards (Holdings) Ltd.

HD PE (High Density Polyethylene)

**Material Specification
 (Typical Properties)**

Physical

Property	Method	Units	Specification
Specific Gravity	DIN 53479	g/cm ³	0.95
Water Absorption	DIN 53495	%	0.01

Mechanical

Property	Method	Units	Specification
Modulus of elasticity	DIN 53457	MPa	700
Elongation at Break	DIN 53455	%	>50
Tensile strength at break	DIN 53455	MPa	32
Tensile modulus	DIN 53457	MPa	700
Hardness Shore	ISO 868	Shore D	70 – 80
Ball Hardness	DIN 53456	MPa	40

Electrical

Property	Method	Units	Specification
Volume resistivity	DIN 53482	Ω x cm	10 ¹⁵
Surface resistance	DIN 53482	Ω	10 ¹⁶
Dielectric Strength	DIN 53481	KV/mm	>70

Thermal

Property	Method	Units	Specification
Specific heat capacity	DIN 53461	J/g	70
Thermal conductivity	DIN 52612	W/mK	0.41

Disclaimer. These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.